CRC CHECKING AND ERROR TAGGING SYSTEM AND METHOD FOR AUDIO DATA

ABSTRACT

A method and apparatus for error detection are presented. The method includes looking for a data packet having a predetermined format and enabling an error-checking hardware module upon detecting an input data packet having the predetermined format. The incoming data frames are checked for errors and, if an error is found, an error flag is inserted in the data packet. The flagged data packets are stored in a memory unit with the error flag so that when the data frames are subsequently decoded, the flagged data frames are processed to fix the errors. The error detection apparatus includes a parsing module that looks for data frames having a predetermined format. When such data frames are located, an error-checking module becomes enabled and an error status flag is inserted in the data stream so that the decoder can decode the according to the error status flag.